

Milestones in innovation

DuPont™ Delrin® Acetal Resin Our 50th Anniversary Timeline

DuPont™ Delrin® Acetal Resin

50th Anniversary

In the 50 years since DuPont synthesized acetal and trademarked it Delrin®, this innovative polymer has helped designers and engineers create new products and improve the quality, reliability and cost position of many existing products.

Delrin



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Milestones in innovation

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■ 1950s

Early applications

include **molded parts** for a manual eggbeater, bearings, a showerhead, water faucets and cutlery handles.



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■ 1950s

First bathroom
mechanicals

Toilet **ballcock valves** and a
valve mechanism for a lavatory
faucet are developed.



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■ 1950s

First toy application

A **coupler** for Lionel model trains, a one-piece design with a molded-in leaf spring, replaces a tedious-to-assemble metal coupler with a separate compression spring.



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■ 1950s

First conveyor application

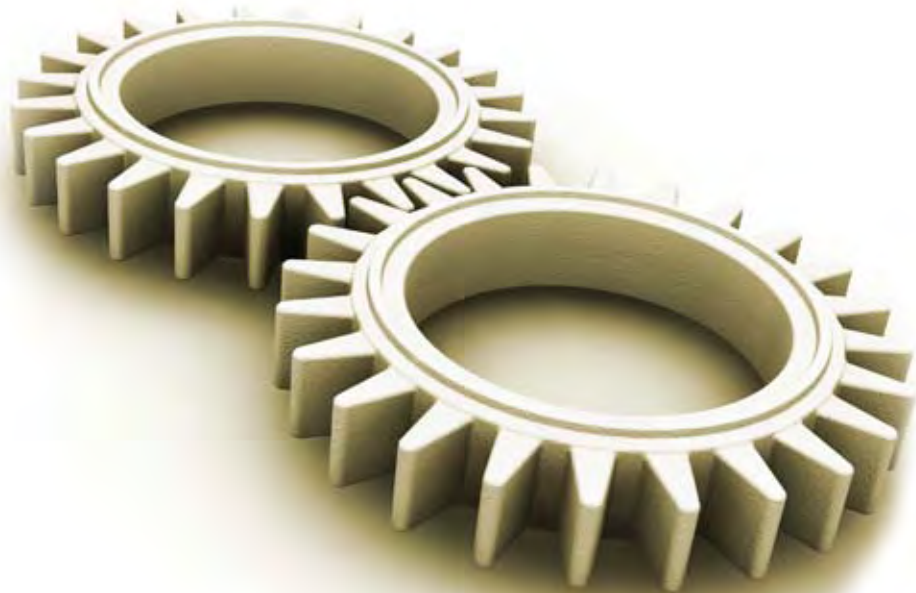
Chain consisting of riveted links developed by Fenco Inc., Chicago, is installed in pickle factory where they are exposed to warm pickle brine. The chains eliminate corrosion problems, ran faster, cost 40 to 50% less than stainless steel parts.



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■ 1950s

Intensive application and market development

Gear design data—The University of Michigan Research Institute begins testing the fatigue life and wear resistance of gears made of Delrin® under a DuPont contract.



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